AMENDMENT(S) TO THE CLAIMS

1. (Currently Amended) A recycling apparatus, comprising:

a first frame;

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a first disc screen section including a plurality of laterally extending first shafts rotatably mounted in the first frame and spaced along a longitudinal conveying direction, first drive means for rotating the first shafts, and a plurality of first discs mounted on the first shafts, the first discs being dimensioned, configured and spaced for classifying a stream of mixed recyclable materials deposited onto the first discs as the first discs are rotated by the first drive means to convey a first portion of the stream along the conveying direction to an output a first end of the first disc screen section;

a second frame positioned adjacent to the first frame;

first end of the first disc screen section and including a plurality of laterally extending second shafts rotatably mounted in the second frame and spaced along the longitudinal conveying direction, second drive means for rotating the second shafts, and a plurality of second discs mounted on the second shafts, the second discs being dimensioned, configured and spaced for classifying the first portion of the stream of mixed recyclable materials deposited onto the second discs from the first disc screen section as the second discs are rotated by the second drive means to convey a second portion of the stream along the conveying direction; and

means for selectively adjusting a second angle of inclination of the second disc screen section relative to the first disc screen section without changing a first angle of inclination of the first disc screen section.

2. (Original) The recycling apparatus of Claim 1 and further comprising means for pivotally connecting the second frame to the first frame.

- (Original) The recycling apparatus of Claim 1 wherein the means for selectively
 adjusting the second angle of inclination of the second disc screen section includes a hydraulic cylinder.
 - 4. (Original) The recycling apparatus of Claim 1 wherein the first frame and the second frame have complementary mating surfaces that limit a range of articulation of the second frame relative to the first frame.
- 5. (Currently Amended) The recycling apparatus of Claim 1 wherein the first frame further includes a third frame and a third disc screen section including a plurality of laterally extending third shafts rotatably mounted in the third frame and spaced along the a second longitudinal conveying direction, third drive means for rotating the third shafts, and a plurality of third discs mounted on the third shafts, the third discs being dimensioned, configured and spaced for classifying a third portion of the stream of mixed recyclable materials deposited onto the third discs from the first disc screen section as the third discs are rotated by the third drive means to convey a fourth portion of the stream along the conveying direction.
 - 6. (Original) The recycling apparatus of Claim 1 and further comprising a stand for supporting the first and second frames.
- 7. (Currently Amended) The recycling apparatus of Claim 1 wherein the frames are each enclosures formed of steel plates.
- 8. (Original) The recycling apparatus of Claim 1 wherein the first and second disc screen sections are positioned end-to-end to form a single continuous classifying deck.
- 9. (Original) The recycling apparatus of Claim 1 wherein the first and second drive
 2 means share a common motor and drive linkage.

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- 10. (Original) The recycling apparatus of Claim 2 wherein the means for pivotally connecting the second frame to the first frame includes an uppermost one of the first shafts.
 - 11. (Currently Amended) A recycling apparatus, comprising:
 - a single continuous disc screen having first and second sections positioned end-to-end and including a plurality of laterally extending shafts, a plurality of discs mounted on the shafts and having an irregular outer contour, means for rotating the shafts in a common direction so that the discs will classify mixed recyclable materials deposited onto the discs and convey a portion of the materials along a conveying direction, and means for adjusting an angle of inclination of the second section relative to the first section.
- 12. (Currently Amended) The recycling apparatus of Claim † 11 wherein the apparatus
 further includes a first frame for rotatably supporting a first portion of the shafts included in the first section and a second frame for rotatably supporting a second portion of the shafts included
 in the second section, and means for mounting the second frame for pivotal rotation relative to the first frame.
- 13. (Original) The recycling apparatus of Claim 12 wherein the mounting means includes a shaft of the first section.
- 14. (Original) The recycling apparatus of Claim 11 wherein the means for adjusting the angle of inclination includes a hydraulic cylinder.
- 15. (Original) The recycling apparatus of Claim 12 and further comprising a stand that supports the first and second frames.
- 16. (Original) The recycling apparatus of Claim 11 wherein the first and second
 sections have a generally planar configuration.

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- 17. (Original) The recycling apparatus of Claim 16 wherein the second section has more shafts than the first section.
- 18. (Original) The recycling apparatus of Claim 11 wherein the second section can be pivoted so that the first and second sections form a single planar disc screen.
 - 19. The recycling apparatus of Claim 11 wherein the shafts of the first section are rotated by a first drive means and the shafts of the second section are rotated by a separate second drive means.
- 20. (Currently Amended) A method of classifying mixed recyclable materials containing paper and containers, comprising the steps of:
 - providing a single continuous inclined disc screen having a plurality of discs with irregular outer contours supported on parallel shafts spaced along a conveying direction;

rotating the shafts in a common direction;

depositing the mixed recyclable materials onto the rotating discs; and

during the separation of the mixed recyclable materials by the rotating discs, adjusting an angle of inclination of a downstream section of the disc screen relative to an upstream section of the disc screen to ensure that mostly containers fall of an input a lower end of the disc screen and mostly paper falls off an output upper end of the disc screen.

21. (New) A classifying apparatus, comprising:

a disc screen including a plurality of interleaved discs supported on parallel shafts spaced along a conveying direction, a first frame rotatably supporting a first portion of the shafts to define a first section of the disc screen, a second frame rotatably supporting a second portion of the shafts to define a second section of the disc screen, and means for pivotally mounting the second frame to the first frame;

at least one drive and drive linkage that rotates the shafts;

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the discs having an outer contour shaped for agitating materials deposited onto the disc screen and for carrying at least a portion of the materials along the conveying direction when the discs are rotated in a common predetermined direction by the drive and drive linkage; and

means for selectively adjusting an angle of inclination of the second section of the disc screen relative to the first section of the disc screen in order to improve the separation of materials deposited onto the disc screen.

- 22. (New) The apparatus of Claim 21 wherein the first frame and the second frame are carried by a stand.
- 23. (New) The apparatus of Claim 21 wherein the frames have complementary mating surfaces that limits a range of articulation of the second frame relative to the first frame.
- 24. (New) The apparatus of Claim 21 wherein the first section is fixed and the second section articulates relative to the first section via the selective adjusting means.
 - 25. (New) The apparatus of Claim 21 wherein the shafts of the first section are rotated by a first drive and a first drive linkage and the shafts of the second section are rotated by a second drive and a second drive linkage.
 - 26. (New) The apparatus of Claim 21 wherein the first section extends at a predetermined fixed inclination and the second section is pivotal relative to the first section via the selective adjusting means.
 - 27. (New) The apparatus of Claim 21 wherein the discs of the first section having a first spacing that is different than a second spacing of the discs of the second section.
- 28. (New) The apparatus of Claim 21 wherein the first and second sections are positioned end-to-end to form a single continuous classifying deck.

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- 29. (New) The apparatus of Claim 21 wherein the discs of the first and second sections
 are rotated by a common motor and drive linkage.
- 30. (New) The apparatus of Claim 21 wherein the means for pivotally mounting the second frame to the first frame includes a shaft of the first section.